OIPE

# 7/ K.T.
//25
DATE: 01/03/2002
TIME: 14:55:14
Paw

ENTERE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/671,687A

Input Set : A:\sequence listing.txt Output Set: N:\CRF3\01032002\1671687A.raw

3 <110> APPLICANT: WALLACH, David KOVALENKO, Andrei CANTARELLA, Giuseppina 7 <120> TITLE OF INVENTION: INHIBITOR OF NF-kB ACTIVATOR 9 <130> FILE REFERENCE: WALLACH=25 11 <140> CURRENT APPLICATION NUMBER: 09/671,687A 12 <141> CURRENT FILING DATE: 2000-09-28 14 <150> PRIOR APPLICATION NUMBER: 09/646,403 15 <151> PRIOR FILING DATE: 2000-09-18 17 <150> PRIOR APPLICATION NUMBER: IL 126024 18 <151> PRIOR FILING DATE: 1998-09-01 20 <150> PRIOR APPLICATION NUMBER: IL 134604

## RECEIVED

JAN 2 4 2001

**TECH CENTER 1600/2900** 

- 21 <151> PRIOR FILING DATE: 2000-02-17 23 <160> NUMBER OF SEQ ID NOS: 4 25 <170> SOFTWARE: PatentIn version 3.1
- 27 <210> SEQ ID NO: 1
- 28 <211> LENGTH: 2116
- 29 <212> TYPE: DNA
- 30 <213> ORGANISM: Homo sapiens
- 32 <220> FEATURE:
- 33 <221> NAME/KEY: misc\_feature
- 34 <222> LOCATION: (549)..(549)
- 35 <223> OTHER INFORMATION: n is either a, c, g, or t.
- 38 <220> FEATURE:
- 39 <221> NAME/KEY: misc\_feature
- 40 <222> LOCATION: (562)..(562)
- 41 <223> OTHER INFORMATION: n is either a, c, g, or t.
- 44 <220> FEATURE:
- 45 <221> NAME/KEY: misc\_feature
- 46 <222> LOCATION: (566)..(566)
- 47 <223> OTHER INFORMATION: n is either a, c, g, or t.
- 50 <220> FEATURE:
- 51 <221> NAME/KEY: misc\_feature
- 52 <222> LOCATION: (652)..(652)
- 53 <223> OTHER INFORMATION: n is either a, c, g, or t.
- 56 <220> FEATURE:
- 57 <221> NAME/KEY: misc\_feature
- 58 <222> LOCATION: (695)..(695)
- 59 <223> OTHER INFORMATION: n is either a, c, g, or t.
- 62 <400> SEQUENCE: 1
- 63 gccacgaagg cccagacttt gaccgttctt caccaccact ccagcctcct cctgtgaact
- 65 cactgaccac cgagaacaga ttccactctt taccattcag tctcaccaag atgcccaata 67 ccaatggaag tattggccac agtccacttt ctctgtcagc ccagtctgta atggaagagc 180
- 69 taaacactgc accegtecaa gagagtecac cettggccat geeteetggg aacteacatg
- 71 gtctagaagt gggctcattg gctgaagtta aggagaaccc tcctttctat ggggtaatcc 300
- 73 gttggatcgg tcagccacca ggactgaatg aagtgctcgc tggactggaa ctggaagatg 360
- 75 agtgtgcagg ctgtacggat ggaacettca gaggcactcg gtatttcacc tgtgccctga 420

RAW SEQUENCE LISTING DATE: 01/03/2002 PATENT APPLICATION: US/09/671,687A TIME: 14:55:14

Input Set : A:\sequence listing.txt
Output Set: N:\CRF3\01032002\1671687A.raw

```
77 agaaggcgct gtttgtgaaa ctgaagagct gcaggcctga ctctaggttt gcatcattgc
                                                                            480
                                                                            540
   79 agccggtttc caatcaagat tgagcgctgt aactctttag catttggagg ctacttaagt
-> 81 gaagtagtng aagaaaatac tnccanccaa aaatggaaaa agaargcttg gagataatga
                                                                            600
83 ttggggaaag aagaaaggca tccaagggtc attacaattc ttgktactta gnactcaacc
                                                                            660
                                                                            720
 > 85 ttattctkgc ttatttkgct tttagttctg ttctmggaca ctggtgttac tttagacccc
                                                                            780
   87 aaagaaaaag aaacgatgtt agaatattwt wkwgmmaccc aagagctact gaggacagaa
   89 attgttaatc ctctgagaat atatggatat gtgtgtgcca caaaaattat gaaactgagg
  91 aaaatacttg aaaaggtgga ggctgcatca ggatttacct ctgaagaaaa agatcctgag
                                                                            900
                                                                            960
  93 qaattottga atattotgtt toatoatatt ttaagggtag aacotttgot aaaaataaga
  95 tcagcaggtc aaaaggtaca agattgttac ttctatcaaa tttttatgga aaaaaatgag
                                                                           1020
  97 aaagttggcg ttcccacaat tcagcagttg ttagaatggt cttttatcaa cagtaacctg
                                                                           1080
                                                                           1140
  99 aaatttgcag aggcaccatc atgtctgatt attcagatgc ctcgatttgg aaaagacttt
                                                                            1200
  101 aaactattta aaaaattttt ccttctctgg aattagatat aacagattta cttgaagaca
                                                                            1260
  103 ccccagacag tgccggatat gtggagggct tgcaatgtat gagtgtaaga atgctacgac
  105 gatccggaca ccagctggaa aaacaagcag ttttgtaaaa cctgcaacac tcaagtccac
                                                                            1320
                                                                            1380
  107 cttcatccga agaggctgaa tcataaatat aacccagtgt cacttcccaa agacttaccc
  109 cgactgggag attggagaca cggctgcatc ccttgccaga atatggagtt atttgctgtt
                                                                            1440
  111 ctctgcatag aaacaagcca ctatgttgct tttgtgaagt atgggaagga cgattctgcc
                                                                            1500
  113 tggctcttct ttggacagca tggccgatcc gggatggtgg tcagaatggc tcaacattcc
                                                                            1560
  115 cccaagtcmc ccmtgsccca gaagtaggag agtacttgga agatgtctcc tggaagaccc
                                                                            1620
  117 tgsawtycct tggactccca ggagaatccc aaggctgtgc acgaagactg ctttgtgatg
                                                                            1740
  119 ccatatatgt gccatgtacc cagagtccaa caatgagttt gtacaaataa ctgggggtca
  121 tcqqqaaagg caaagaaact ggaaggcaga gtccctaacg ttgcatctta ttcggagctg
                                                                            1800
  123 gcaqttctgt tcacggtcca ttgccggcaa tggatgtctt tgtggtgatg atccttcaga
                                                                            1860
                                                                            1920
  125 aaaggatgcc tctgtttaaa aacaaattgc ttttgtgtcc ctgaagtatt taataagaag
  127 cattttqcac tctaqaaaqt atqtttqtqt tqqtttttta aqaaqtctaa atqaaqttat
                                                                            1980
  129 taatacctga agctttaagt taagtgcatt gatcatatga tatttttgga agcatacaat
                                                                            2040
  131 tttaattqtc gaagtttaaa gcctctttta gtccattgag aatgtaaata aatgtgtctt
                                                                            2100
                                                                            2116
  133 ctttatqqaa aaaaaa
  136 <210> SEQ ID NO: 2
  137 <211> LENGTH: 3715
   138 <212> TYPE: DNA
   139 <213> ORGANISM: Homo sapiens
   141 <220> FEATURE:
   142 <221> NAME/KEY: misc_feature
   143 <222> LOCATION: (18)..(18)
   144 <223> OTHER INFORMATION: n is either a, c, g, or t.
   147 <220> FEATURE:
   148 <221> NAME/KEY: misc_feature
   149 <222> LOCATION: (22)..(22)
   150 <223> OTHER INFORMATION: n is either a, c, g, or t.
   153 <220> FEATURE:
   154 <221> NAME/KEY: misc_feature
   155 <222> LOCATION: (756)..(756)
   156 <223> OTHER INFORMATION: n is either a, c, g, or t.
   159 <220> FEATURE:
   160 <221> NAME/KEY: misc_feature
   161 <222> LOCATION: (1348)..(1348)
   162 <223> OTHER INFORMATION: n is either a, c, g, or t.
```

DATE: 01/03/2002

TIME: 14:55:14

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/671,687A

Input Set : A:\sequence listing.txt
Output Set: N:\CRF3\01032002\1671687A.raw

165 <400> SEQUENCE: 2 > 166 ggggttttct tttacacntc tncggtaccg aactcggatc cactagtaac gggccgccag 60 168 tgtgctggaa atteggeaeg agggtgtggg gageegggge eggeeeggga egegggetgg 120 170 ggagccgggg cgaggggcga cgccccgccg cccgagtttc cccctttcta gggtgaggat 180 240 172 ggttctacac agccacccgg agttccttag ttgaaaggtg cgccctgctg tgacagaatg 300 174 tggtaattgt aatctttaac attttcatgt aaaacatatt tcctgatcat ctttccattg 360 176 tcttcatgga aaattgataa atatttgtgc cttccaactc tcgtcttggt tgaatgactt 178 catcttaata caacatggac accacgttgc tgaaaacatg ctttgggact gccactgaat 420 480 180 ttatcttttg cggttttatg acaaagttat tagtagtttc ccttttttga attagtattt 540 182 tqaaqttaat atcacaatqa qttcaqqctt atgqaqccaa gaaaaagtca cttcacccta 600 184 ctgggaagag cggatttttt acttgcttct tcaagaatgc agcgttacag acaaacaaac 660 186 acaaaagctc cttaaagtac cgaagggaag tataggacag tatattcaag atcgttctgt 720 188 ggggcattca aggattcctt ctgcaaaagg caagaaaaat cagattggat taaaaaattct 780 > 190 agagcaacct catgcagttc tctttgttga tgaaanggat gttgtagaga taaatgaaaa 840 192 gttcacagag ttacttttgg caattaccaa ttgtgaggag aggttcagcc tgtttaaaaa 900 194 caqaaacaqa ctaaqtaaaq qcctccaaat agacgtgggc tgtcctgtga aagtacagct 196 gagatctggg gaagaaaaat ttcctggagt tgtacgcttc agaggacccc tgttagcaga 960 198 gaggacagtc tccggaatat tctttggagt tgaattgctg gaagaaggtc gtggtcaagg 1020 200 tttcactgac ggggtgtacc aagggaaaca gctttttcag tgtgatgaag attgtggcgt 1080 202 gtttgttgca ttggacaagc tagaactcat agaagatgat gacactgcat tggaaagtga 1140 204 ttacgcaggt cctggggaca caatgcaggt cgaacttcct cctttggaaa taaactccag 1200 1260 206 agtttctttg aagggtggag aaacaataga atctggaaca gttatattct gtgatgtttt 1320 /208 gccaggaaaa gaaagcttag gatattt/tgt tggtgtggac atggataacc ctattggcaa 1380 210 ctgggatgga agatttgatg gagtgcanct ttgtagtttt gcgtgtgttg aaagtacaat 1440 212 tctattgcac atcaatgata tcatcccaga gagtgtgacg caggaaagga ggcctcccaa 1500 214 acttqccttt atqtcaaqaq qtqttqqqqa caaaqqttca tccaqtcata ataaaccaaa 216 ggctacagga tctacctcag accctggaaa tagaamcaga tctgaattat tttatacctt 1560 218 aaatgggtct tctgttgact cacaaccaca atccaaatca aaaaatacat ggtacattga 1620 220 tgaagttgca gaagaccctg caaaatctct tacagagata tctacagact ttgaccgttc 1680 222 ttcaccacca ctccaqcctc ctcctgtgaa ctcactgacc accgagaaca gattccactc 1740 224 tttaccattc agtctcacca agatgcccaa taccaatgga agtattggcc acagtccact 1800 1860 226 ttctctgtca gcccagtctg taatggaaga gctaaacact gcacccgtcc aagagagtcc 1920 228 accettggcc atgcctcctg ggaactcaca tggtctagaa gtgggctcat tggctgaagt 230 taaggagaac cctcctttct atggggtaat ccgttggatc ggtcagccac caggactgaa 1980 232 tgaagtgctc gctggactgg aactggaaga tgagtgtgca ggctgtacgg atggaacctt 2040 2100 234 cagaggcact cggtatttca cctgtgccct gaagaaggcg ctgtttgtga aactgaagag 2160 236 ctgcaggcct gactctaggt ttgcatcatt gcagccggtt tccaatcaga ttgagcgctg 2220 238 taactcttta gcatttggag gctacttaag tgaagtagta gaagaaaata ctccaccaaa 2280 240 aatggaaaaa gaaggcttgg agataatgat tgggaagaag aaaggcatcc agggtcatta 242 caattettgt tacttagact caacettatt etgettattt gettttagtt etgttetgga 2340 2400 244 cactgtgtta cttagaccca aagaaaagaa cgatgtagaa tattatagtg aaacccaaga 246 gctactgagg acagaaattg ttaatcctct gagaatatat ggatatgtgt gtgccacaaa 2460 248 aattatgaaa ctgaggaaaa tacttgaaaa ggtggaggct gcatcaggat ttacctctga 2520 250 agaaaaagat cctgaggaat tcttgaatat tctgtttcat catattttaa gggtagaacc 2580 2640 252 tttgctaaaa ataagatcag caggtcaaaa ggtacaagat tgttacttct atcaaatttt 254 tatggaaaaa aatgagaaag ttggcgttcc cacaattcag cagttgttag aatggtcttt 2700 256 tatcaacagt aacctgaaat ttgcagaggc accatcatgt ctgattattc agatgcctcg 2760 258 atttggaaaa gactttaaac tatttaaaaa aatttttcct tctctggaat taaatataac 2820 260 agatttactt gaaqacactc ccagacagtg ccggatatgt ggagggcttg caatgtatga 2880 RAW SEQUENCE LISTING DATE: 01/03/2002 PATENT APPLICATION: US/09/671,687A TIME: 14:55:14

Input Set : A:\sequence listing.txt
Output Set: N:\CRF3\01032002\1671687A.raw

262	atai	taga	raa 1	tacta	acqa	cor at	tccq	racat	t cto	caget	cqqa	aaaa	atcaa	agc a	agttt	tgtaa	2940		
			_	-	-	_											3000		
	aacctgcaac actcaagt gtcacttccc aaagactt								-						_	3060			
268	tate	ggagi	tta 1	tttg	ctgti	to to	ctgca	ataga	a aad	caago	ccac	tate	tatgttgctt ttgtgaagta 3120						
270	tgg	gaag	gac q	gatte	ctgc	ct g	gctct	ttct	t tga	acago	catg	gcc	gate	ggg a	atggt	ggtca	3180		
272	gaat	tggċ	ttc a	aacat	ttcct	tc aa	agtca	accc	c atq	gecea	agaa	gtag	ggaga	agt a	actte	gaagat	3240		
274	gtototggaa gacotgcatt cottggacto caggagaato caaggotgtg cacgaagact														3300				
276	gctttgtgat gcatatatgt gcatgtacca gagtccaaca atgagtttgt acaaataact														3360				
278	B ggggtcatcg ggaaaggcaa agaaactgaa ggcagagtcc taacgttgca tcttattcg														attcga	3420			
	gctggcagtt ctgttcacgt ccattgccgg caatggatgt ctttgtggtg atgatccttc														3480				
	agaaaaggat gcctctgttt aaaaacaaat tgcttttgtg tccctgaagt atttaataag														3540				
	-		_		-				-					_		gaagt	3600		
																gcatac	3660		
				gtgga	-	tt aa	aagco	ctct	t tta	agtco	catt	gaga	aatgi	taa a	ataaa	ì	3715		
	91 <210> SEQ ID NO: 3																		
292 <211> LENGTH: 949																			
	293 <212> TYPE: PRT																		
	94 <213> ORGANISM: Homo sapiens																		
				NCE:		_	_	<b>_</b>		_				_	_	_			
		Ser	Ser	Gly	_	Trp	Ser	Gln	Glu		Val	Thr	Ser	Pro		Trp			
299			_	_,	5	_	_	_	_	10	-1	_	_		15	_			
	GIU	GLu	Arg	Ile	Pne	Tyr	Leu	ьeu		GIN	GIU	Cys	Ser		Thr	Asp			
303	_		_;	20	_		_	_	25	_	_	~ 3		30		<b>a</b> 1			
	гаг	GIn		Gln	гàг	Leu	Leu	_	vai	Pro	гйг	GIĀ		ile	GIA	GIN			
307	m	<b>-</b> 1 -	35	<b>3</b>	<b>3</b>	<b>a</b>	**- 1	40	***	<b>~</b>	<b>3</b>	<b>-</b> 1 -	45	<b>0</b>		T			
311	туг	11e 50	GIN	Asp	Arg	ser	va1 55	GIY	HIS	ser	Arg	60	Pro	ser	Ата	гаг			
	C1**		Tira	Asn	C1 5	т1.		Tou	Tvic	т1 о	T 011		Cln	Dro	uic	717			
315	_	пλя	пур	ASII	GIII	70	GIY	ьeu	пур	116	75	Gru	GIII	PIO	птъ	80			
		T.211	Dha	Val	λen		Acn	₩ 1	Val	Glu		λen	Glu	T.vc	Dhe				
319	Val	ьеu	FIIC	vaı	85	GIU	АБР	Val	Val	90	116	ASII	GIU	пуs	95	1111			
	Glu	T.e.11	T.e.11	Leu		Tle	Thr	Asn	Cvs		Glu	Ara	Phe	Ser		Phe			
323	Olu	шеч	шец	100		110	****		105	014	O.L.	*** 9	1110	110	Lou	1110			
	Lvs	Asn	Arσ	Asn	Ara	Leu	Ser	Lvs		Leu	Gln	Tle	Asp		Glv	Cvs			
327	-10		115		9	204		120	011		·		125	,	0-1	0,2			
	Pro	Val		Val	Gln	Leu	Ara		Glv	Glu	Glu	Lvs		Pro	Glv	Val			
331		130	-1 -				135		1			140			2				
	Val		Phe	Arg	Gly	Pro		Leu	Ala	Glu	Arq		Val	Ser	Gly	Ile			
	145					150					155				4	160			
		Phe	Gly	Val	Glu		Leu	Glu	Glu	Gly		Gly	Gln	Gly	Phe				
339			-		165					170		•		*	175				
	Asp	Gly	Val	Tyr	Gln	Gly	Lys	Gln	Leu	Phe	Gln	Cys	Asp	Glu		Cys			
343	-	-		180		-	**		185			-	-	190	-	_			
	Gly	Phe	Val	Ala	Leu	Asp	Lys	Leu		Leu	Ile	Glu	Asp	Asp	Asp	Thr			
347	_		195			-	-	200					205	-	-				
350	Ala	Leu	Glu	Ser	Asp	Tyr	Ala	Gly	Pro	Gly	Asp	Thr	Met	Gln	Val	Glu			
351		210			. =	-	215	-		=	_	220							
354	Leu	Pro	Pro	Leu	Glu	Ile	Asn	Ser	Arg	Val	Ser	Leu	Lys	Gly	Gly	Glu	,		
355	225					230					235					240			

RAW SEQUENCE LISTING DATE: 01/03/2002 PATENT APPLICATION: US/09/671,687A TIME: 14:55:14

Input Set : A:\sequence listing.txt
Output Set: N:\CRF3\01032002\1671687A.raw

250	mla aa	т1-	C1	Com	C1	mh se	37 o 3	т1 о	Dho	Crra	N a m	17-1	T 011	Dro	C1 11	Tyro
	Thr	ше	GIU	ser		THE	val	116	Pne	250	ASP	vai	ьeu	Pro	255	цуь
359	<b>~1</b>	<b>a</b>	<b>T</b>	<b>a</b> 1	245	D1	77- 7	<b>C1</b>	**- 1			3	7	D		C1
	GIU	Ser	ьeu	_	Tyr	Pne	vai	GIY		Asp	met	ASP	ASII	Pro	ıте	GIY
363	_	_	_	260				<b>01</b>	265	<b>.</b>	<b>a</b>	<b>a</b>	D)	270	<b>G</b>	77- 7
	Asn	Trp	_	GLY	Arg	Phe	Asp	_	vaı	Leu	Cys	Ser		Ala	Cys	vaı
367		_	275		_	_		280	_	_		_,	285	~ 3	_	
	Glu			Ile	Leu	Leu		He	Asn	Asp	He		Pro	Glu	ser	Val
371		290		_	_	_	295	_	_			300	_	_	~ .	
		Gln	Glu	Arg	Arg		Pro	Lys	Leu	Ala		Met	Ser	Arg	GIĀ	
375						310					315		_			320
	Gly	Asp	Lys	Gly		Ser	Ser	His	Asn		Pro		Ala	Thr		Ser
379					325					330		•			335	
382	Thr	Ser	Asp	Pro	Gly	Asn	Arg	Arg	Ser	Glu	Leu	Phe	Tyr	Thr	Leu	Asn
383				340					345					350		
386	Gly	Ser	Ser	Val	Asp	Ser	Gln	Pro	Gln	Ser	Lys	Ser	Lys	Asn	Thr	$\mathtt{Trp}$
387			355					360					365			
390	Tyr	Ile	Asp	Glu	Val	Ala	Glu	Asp	Pro	Ala	Lys	Ser	Leu	Thr	Glu	Ile
391		370					375					380				
394	Ser	Thr	Asp	Phe	Asp	Arg	Ser	Ser	Pro	Pro	Leu	Gln	Pro	Pro	Pro	Val
395	385					390					395					400
398	Asn	Ser	Leu	Thr	Thr	Glu	Asn	Arg	Phe	His	Ser	Leu	Pro	Phe	Ser	Leu
399					405			_		410					415	
402	Thr	Lvs	Met	Pro	Asn	Thr	Asn	Gly	Ser	Ile	Gly	His	Ser	Pro	Leu	Ser
403		-4		420				•	425		_			430		
	Leu	Ser	Ala	Gln	Ser	Val	Met	Glu	Glu	Leu	Asn	Thr	Ala	Pro	Val	Gln
407			435					440					445			
	Glu	Ser		Pro	Leu	Ala	Met		Pro	Glv	Asn	Ser	His	Gly	Leu	Glu
411		450					455			1		460		1		
	Val		Ser	Leu	λla	Glu		Lvs	Glu	Asn	Pro		Phe	Tyr	Glv	Val
	465	011				470		-1-			475			-1-	1	480
		Δrσ	Ψrn	Tle	Glv		Pro	Pro	Glv	Len		Glu	Val	Leu	Ala	Glv
419		9			485	01			021	490					495	2
	T.e.u	Glu	T.eu	Glu		Glu	Cvs	Δla	Glv		Thr	Asp	Glv	Thr		Ara
423	шец	Oru	шец	500	p	OLu	0,0		505	0,10			011	510		9
	G1 v	Πhr	Δra		Dhe	Thr	Cvc	λla		Tare	T.v.c	Δla	T.e.u	Phe	Va 1	T.v.c
427	GLY	1111	515	TYT	FIIC	1111	Cys	520	пец	шуз	цуз	лта	525	rne	Val	цуз
	T 011	Tira		Cvrc	7 20	Dro	7 an		7 ~~	Dho	7 l n	Sar		Gln	Dro	Wa I
	Leu	_	ser	Cys	AIG	PIU	535	SeT	AIG	FILE	Ala	540	пеп	GIII	FIU	Val
431	C	530	a1	T1.	<b>~1</b>	7		3	C	т	7.1.		G1	C1	Ш	т
		ASN	GIN	ire	GIU	_	Cys	ASI	ser	ьeu	555	Pne	GIY	Gly	тут	
	545	~1				550	_		_	<b>-</b>		<b>.</b>	<b>01</b>	<b>T</b>	<b>a</b> 1	560
	Ser	Glu	Val	Val		GLu	Asn	Thr	Pro		Lys	Met	GLu	ьуs		Gly
439	_				565		_		_	570				•	575	_
	Leu	Glu	Ile		Ile	GГĀ	Lys	Lys		GLY	Ile	Gln	GTA	His	Tyr	Asn
443				580					585					590		
	Ser	Cys	_	Leu	Asp	Ser	Thr		Phe	Cys	Leu	Phe		Phe	Ser	Ser
447			595					600					605			
	Val	Leu	Asp	Thr	Val	Leu		Arg	Pro	Lys	Glu		Asn	Asp	Val	Glu
451		610					615					620				
454	Tyr	Tyr	Ser	Glu	Thr	Gln	Glu	Leu	Leu	Arg	Thr	Glu	Ile	Val	Asn	Pro

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/671,687A

DATE: 01/03/2002 TIME: 14:55:15

Input Set : A:\sequence listing.txt

Output Set: N:\CRF3\01032002\1671687A.raw

L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2